

ILLINOIS-AMERICAN WATER COMPANY
RESPONSE TO ILLINOIS COMMERCE COMMISSION
DATA REQUEST NUMBER WD 1.13

Person Responsible: Mark L. Johnson
Title: Vice President Engineering
Phone No.: 618-239-3250
Date Received: August 14, 2002
Docket No.: 02-0450

WD 1.13. Please provide work papers, memorandums, and/or reports utilized to determine that the 1 PE is equal to 55 gallons per day (gpd).

RESPONSE See attachment to response to WD 1.12 which is the work paper describing the PE methodology for this project. The assumption that 1 PE equals 55 gpd is based upon experience in IAWC's Interurban District. Population equivalent assumes four residences per acre and three customers per residence, or 12 PE per acre. IAWC's demand projection experience indicates that residential usage per customer ranges between 165 and 175 gallons per customer. For purposes of this calculation, the lower number was used. $165 \text{ gpc} \div 3 \text{ customers} = 55 \text{ gpd}$. No work papers specifically relate to this determination.

OFFICIAL FILE

ILL. C. C. DOCKET NO. 02-0450

IAWC EXHIBIT NO. 7

Witness _____

Date 9-25-02 Reporter aal